EurJIC
European Journal of Inorganic Chemistry

February 2003
Issue 3
Pages 379–568

Papers available ahead of print in Early View at www.interscience.wiley.com

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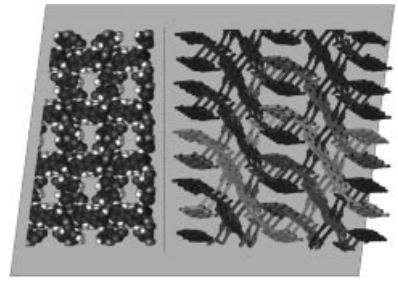
COVER PICTURE

The cover picture shows a mixed-valence copper(I,II) coordination polymer $[Cu^{I}_{2}Cu^{II}(4,4'\text{-bpy})_2(pydc)_2]\cdot 4H_2O$ (4,4′-bpy = 4,4′-bipyridine; pydc = pyridine-2,4-dicarboxylate) featuring the "metal-complex ligands" $[Cu^{II}(pydc)_2]^{2-}$ synthesized hydrothermally using $Cu(MeCO_2)_2$, pyridine-2,4-dicarboxylate, 4,4′-bipyridine and NaOH. Single-crystal structure analysis exhibits this compound to be the first porous 3-D framework constructed from five-fold parallel interpenetration of 2-D (6,3) nets (right-hand side). The one-dimensional channels in the 3-D framework (left-hand side) occupying 17.4% of the crystal volume are occupied by guest water molecules. The porous network is stable after removal of the lattice water molecules, which may be attributed to the multiple entanglement of the 2-D nets. Details are discussed in the article by X.-M. Zhang and X.-M. Chen on p. 413ff.



MICROREVIEW

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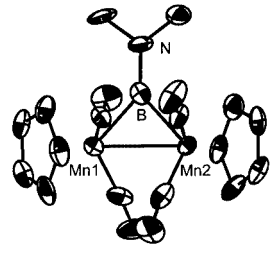

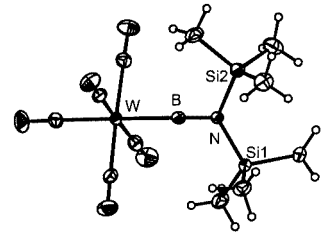

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